



1.877.MAMMOUTH
www.soprema.ca

SOPRAROCK MD PLUS

TECHNICAL DATA SHEET
130918SCAN1E
(supersedes -121018SCAN2E)

DESCRIPTION

SOPRAROCK MD PLUS is a rigid mineral fibre (rock wool) support panel with a homogenous density. The surface of **SOPRAROCK MD PLUS** is impregnated with a bitumen layer which is compatible with **SOPREMA**'s heat-welded, adhered with hot bitumen or with **COLPLY** adhesive membranes. This product must not be installed with self-adhesive membranes.

INSTALLATION

BITUMEN

SOPRAROCK MD PLUS panel is installed in a bed of SEBS hot bitumen or oxidized bitumen applied with a mop.

ADHESIVE

SOPRAROCK MD PLUS panel is adhered with **DUOTACK** adhesive only.

MECHANICALLY FASTENED

SOPRAROCK MD PLUS panel is mechanically fastened to steel deck with screws and plates for insulation.

* For more details about the required number of mechanical fasteners or adhesive, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21-10 or publications according to FM 4470 (RoofNav Database) including recommendations for corners and perimeters listed in the PLPDS 1-29 from Factory Mutual.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

Specifications	SOPRAROCK MD PLUS
Total thickness	26.4 mm (1.04 in)
Insulation dimensions	1.2 x 1.2 m (4 x 4 ft)
Total Weight	5.1 kg/m ² (1.04 lb/ft ²)
Surface	Impregnated with bitumen
Underface	Mineral fibre (rock wool)
Units per pallet	40

(All values are nominal)





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PROPERTIES

Properties	Standards	SOPRAROCK MD PLUS
Thermal Resistance (RSI Value - m ² K/W for 25.4 mm at 75 °F)	ASTM C 518 (C 177)	0.70 m ² K/W (R – 4.0 hr • ft ² • °F / BTU for 1 in at 75 °F)
Compressive Strength at 10 %, at 25 %, 25.4 mm (1in) thickness	ASTM C 165	85 kPa (12 psi) 190 kPa (28 psi)
Density	ASTM C 612-09	200 kg/m ³ (12.5 lb/ft ³)
Dimensional Stability, Linear Shrinkage 24 hours at 1200 °F (650 °C)	ASTM C 356	1.1 %
Water Absorption	ASTM C 209	< 1.0 %
Water Vapor Sorption	ASTM C 1104	0.29 %

CAN/ULC-S107-03 Fire test of roof covering, classified according to the type of membrane used.

CAN/ULC-S126-06 Fire spread under roof deck assemblies, classified according to the type of membrane used.

(All values are nominal)

PRECAUTIONS

SOPRAROCK MD PLUS should not be exposed to inclement weather during shipment, storage or installation. At the completion of a day's work, all exposed edges should be sealed by lapping roof membrane over them.

